

Title (en)

MEMBRANE VIRUS HOST RANGE MUTATIONS AND THEIR USES AS VACCINE SUBSTRATES

Title (de)

MEMBRANMUTATION, DIE DAS WIRTSSPEKTRUM EINES VIRUS BETREFFEN UND IHRE VERWENDUNGEN ALS IMPFSTOFF-SUBSTRATE

Title (fr)

MUTATIONS DE PLAGE HOTE DE VIRUS ENVELOPPE D'UNE MEMBRANE ET LEURS UTILISATIONS COMME SUBSTRATS DE VACCINS

Publication

EP 1234023 A1 20020828 (EN)

Application

EP 00925871 A 20000314

Priority

- US 0006664 W 20000314
- US 44710399 A 19991122

Abstract (en)

[origin: WO0138499A1] The present invention is directed to genetically engineered, membrane-enveloped viruses with deletion mutations in the protein transmembrane domains. Also provided are viral vaccines based on the engineered viruses, methods of producing and using such vaccines.

IPC 1-7

C12N 7/04; **A61K 39/20**; **C07K 14/18**

IPC 8 full level

C12N 15/09 (2006.01); **A61K 39/12** (2006.01); **A61K 39/155** (2006.01); **A61K 39/205** (2006.01); **A61K 39/21** (2006.01); **A61K 39/245** (2006.01); **A61K 39/29** (2006.01); **A61P 31/14** (2006.01); **C07K 14/18** (2006.01); **C12N 7/00** (2006.01); **C12N 7/04** (2006.01)

CPC (source: EP US)

A61P 31/14 (2017.12 - EP); **C07K 14/005** (2013.01 - EP US); **C12N 7/00** (2013.01 - EP US); **A61K 2039/5254** (2013.01 - EP US); **C12N 2760/18822** (2013.01 - EP US); **C12N 2760/18823** (2013.01 - EP US); **C12N 2770/36122** (2013.01 - EP US); **C12N 2770/36161** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0138499 A1 20010531; AU 4449600 A 20010604; BR 0015740 A 20020716; CA 2392235 A1 20010531; CN 1411505 A 20030416; EP 1234023 A1 20020828; EP 1234023 A4 20050223; JP 2003514581 A 20030422; MX PA02005087 A 20030128; NZ 519047 A 20031128; US 6589533 B1 20030708

DOCDB simple family (application)

US 0006664 W 20000314; AU 4449600 A 20000314; BR 0015740 A 20000314; CA 2392235 A 20000314; CN 00817333 A 20000314; EP 00925871 A 20000314; JP 2001540250 A 20000314; MX PA02005087 A 20000314; NZ 51904700 A 20000314; US 44710399 A 19991122